



BROOKHAVEN BULLETIN

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Beam Tunnel Progress



Nearing completion is the beam tunnel for the North Experimental Area of the AGS. The tunnel will eventually be covered with a layer of earth fifteen feet thick. The North Experimental Area construction is part of the \$50 million AGS Conversion Program.

Alien Address Reports Due In January

The U.S. Government requires that aliens who are in the United States on January 1 of each year shall report their addresses during the month of January. This is required even though the alien has not changed his address since the last report.

The parent or legal guardian of alien children under fourteen years of age must report for these children.

Any alien who is temporarily absent from the country on January 1 must report his address within ten days after his return to the U.S.A.

Aliens may go to any U.S. Post Office or to any Immigration and Naturalization Service Office and ask for the Address Report Card, Form I-53. When the card has been completely filled in and signed, it should be handed to an employee in any Post Office or Immigration and Naturalization Office. The card *should not be* folded or torn and *should not be* mailed.

In addition to his address, an alien reports the date and place of entry into the United States, the date and place of birth, nationality, and most important—his alien registration number.

An alien's registration number is the number preceded by the letter "A" appearing on his alien registration receipt card.

Aliens admitted temporarily to the U.S. should write "Nonimmigrant" in the space provided on the report form for showing the registration number.

If the alien is a newly-arrived immigrant who 'has not yet' received his alien registration receipt, he should write "Not Received" in that space.

If an alien has lost his receipt, he should write "Lost" in the space and immediately apply for a new receipt at the nearest office of the Immigration and Naturalization Service.

Attention All Cooks!

The next meeting of the Cooking Exchange will be held not on Thursday but on *Friday, January 22*, and not from 3 to 5 p.m. but from 2:30 to 4:30 p.m. in the Apartment Area Recreation Building. The featured demonstration will be the preparation of a Cold Danish Table.

Everyone is welcome. A fee of 75¢ will be requested from each adult to defray the cost of the cooking demonstration and the babysitters.

Professor S. Melman To Speak At Center

Dr. Seymour Melman, Professor of Industrial Engineering at Columbia University, will speak on the topic "Can the U.S. Economy Convert to Peace?" at the Brookhaven Center on Monday, January 25, at 8:30 p.m.

Professor Melman is the author or editor of eleven books, including the recently-published "Pentagon Capitalism," and has published many articles in both scholarly and popular journals. Throughout his writing, the consistent theme has been a critical examination of the U.S. defense spending, and its catastrophic effect on other national priorities, such as the balance of payments, efficient mass transit, adequate health services, and public housing.

In "Pentagon Capitalism," Professor Melman describes the unprecedented economic, political, and military decision-making powers that are now centralized in the Defense Department. He supports this thesis with a wealth of statistical data and references to governmental publications.

Prof. Melman's non-official talk will be sponsored by the Brookhaven Moratorium Committee. All employees, their families, and personal friends are invited to attend on this occasion.

Radio View Of Universe Is Tonight's Lecture

The 98th BNL Lecture will be delivered on Thursday, January 14, by Dr. Morton S. Roberts, National Radio Astronomy Observatory. Dr. Roberts will offer a survey of radio astronomy and its impact on our picture of the universe. The talk, entitled "A Radio View of the Universe," will be nontechnical, and will compare optical and radio astronomy.

Dr. Roberts is an authority on the composition, structure, and evolutionary history of galaxies including our own Milky Way system. His training and work in this field have involved both optical and radio techniques.

A buffet supper will be served at the Brookhaven Center before the lecture starting at 6 p.m. Reservations should be made in advance by calling Ext. 2283 before 5 p.m. Refreshments will be available in the lobby of Berkner Hall immediately after the conclusion of the lecture.

Vacation Credit Reminder

The maximum number of vacation days that may be carried over from one calendar year to another is 36. Monthly exempt and nonexempt employees must take any vacation days in excess of 36 by January 25, 1971. Any accrual for January, 1971 will not be affected by the 36-day carry-over.

Lock-Tite Exhibit

The Lock-Tite Company will have their Van on site on January 29, 1971, from 8:30 a.m. until 10:30 a.m. They will hold seminars at 9:30 and 10:30 to explain their new products. All are welcome. The Van will be located in the parking area between Purchasing and Personnel.

Major Medical Plan Changes To "All Cause"

Last month the Laboratory announced several improvements in the Group Medical Insurance Program for 1971. One of the most significant of these improvements was the changeover from a "per cause" to an "all cause" major medical insurance.

Basically, the two plans have several things in common — they both require a \$100 out-of-pocket deductible; they both require the individual to satisfy the deductible over a calendar year period; and, they both pay a coinsurance benefit. However, beyond these features, there is little similarity between the two plans.

The former major medical plan was a "per cause" plan, meaning that if the individual paid \$100 expenses for any single illness during a calendar year, he would collect major medical benefits on that illness for the next three years. These benefits consisted of 80% of covered expenses for the first two years and 50% during the third year up to a maximum of \$15,000 per illness.

The two major drawbacks to this plan were: (1) it did not provide benefits beyond three years even if the illness continued, and (2) it did not usually cover small expenses for minor illnesses. The new "all cause" major medical plan covers both of these situations. It, too, requires each individual to pay a \$100 calendar year deductible, but expenses for all illnesses may be counted toward this amount. It then covers 80% of all an individual's medical expenses (including prescription drugs, visits to the doctor's office, etc., regardless of the cause) for the remainder of the calendar year. Under this plan, a person with a chronic illness doesn't have to worry about time limits on his benefit payments because he can start a new claim year after year by paying a new deductible.

The new plan contains a special feature, called a family deductible ceiling, which provides that once three family members have each satisfied a \$100 deductible during a calendar year, no other deductibles are required of the remaining family members for the rest of the year. This feature will be of special benefit to large families.

Lifetime benefit payments under the new plan may extend up to \$50,000 per person, and, in certain cases even more than \$50,000 because of a special restoration provision. Under this provision \$1,000 is added back to a person's maximum lifetime benefit balance whenever he receives major medical benefits of \$1,000 or more in a calendar year.

Individuals who had old "per cause" major medical claims running as of January 1 will be allowed to continue those claims beyond January 1 until they expire. Medical expenses for all other causes which are incurred after January 1 will be applied toward the new major medical plan.

Coming Attractions

- 1/14 BNL Lecture — "A Radio View of the Universe" — Dr. Morton S. Roberts. 8 p.m. — Berkner Hall
- 1/19 BERA Concert — Music from Marlboro. 8:30 p.m. — Berkner Hall.
- 1/20 Navy Meeting — "Low Dose Effects of Ionizing Radiation" — Frank Gonzalez, BNL. 7:30 p.m. — Brookhaven Center.

AGS Service Awards



There was a small gathering in the lobby of the AGS Building on Wednesday, December 16, at which time Dr. F.E. Mills presented ten and twenty year Service Awards to members of the Accelerator Department. Among the recipients were: (Top Row) Henry T. Farrell, Robert E. Stafford, Anastasios Soukas, Carl P. Lucas and Dean Easler; (Middle Row) Norman A. Whitney, Emory G. Egler, Thomas L. Fairchild, Joseph W. Glenn II, and Gerald Levine; (Bottom Row) John M. Dioguardo (20 yr.), Vivienne E. Jacobsen, Frederick H. Kuehl and Charles Pukit (20 yr.). Robert Baker and Harold Hahn were not present.

Hatha Yoga Classes
Start Second Round

The recently completed series of Yoga classes was such a tremendous success that arrangements have been made to begin a new series starting on Wednesday, February 3.

All Yoga enthusiasts who have completed the course are invited to re-register along with any novices who have never tried this form of exercise but are anxious to see what it's all about.

Yoga is a Hindu philosophy over 2,000 years old. It is based on total self-realization; emotionally, spiritually and physically. Hatha Yoga, which is the course being offered, is a system of exercising and breathing techniques aimed at figure improvement and vitality.

The course will run for 10 weeks at \$20 per person (\$2 per hour lesson), payable at the time of registration. Classes will meet at the Recreation Building in the Apartment Area starting at 5:30 p.m., each Wednesday. The instructor will again be Suzanna Mughabghab, an experienced teacher of figure improvement and physical education.

All ladies interested (including wives of employees) should register at the Recreation Office before Wednesday, January 27.

Craft Show At Art Barn

"Masterpieces of Weaving by Dorothy Liebes," a slide program by the Museum of Contemporary Crafts, will be presented by the Art Barn, Tuesday, January 19 at 8 p.m. at the Unitarian Fellowship, Bayview Avenue and 25A, East Setauket. The slides will be narrated by Jennifer Gott-diner, a local weaver. The general public is invited and admission is \$1.00.

Selected Reading

- Nature 228, December 26, 1970
- Wordsworth and Hamilton. G. Dodd. 1261-3
- ISIS 60, No. 205, 1969
- Ninety-fourth critical bibliography of the history of science and its cultural influences (to January 1969). J. Neu, ed. 5-197
- Review: Oak Ridge Natl. Lab. 3, No. 5, 1970
- For bosses only. Y. Lovely. 16-22

Safe Boating
Is No Accident

Did you enjoy your past summer? Safe boating could have made it more enjoyable. The *United States Power Squadrons* can help you to safe boating with their free boating course taught in your locality.

This course equips you with a good basic knowledge in handling, piloting, safety and navigating of small boats. All over sixteen years of age are welcome . . . make it a family affair.

Below is a schedule of classes in this locality:

- Moriches Bay Squadron
Tuesday, January 12 - 8 p.m.
Wm. Floyd High School
Mastic Road
Mastic Beach
- Old Field Point Squadron
Wednesday, January 27 - 8 p.m.
Vandermuelen High School
Old Post Road
Port Jefferson
- Patchogue Bay Squadron
Monday, January 11 - 8 p.m.
Bellport Sr. High School
Beaver Dam Road
Brookhaven
- Peconic Bay Squadron
Tuesday, January 19 - 7:30 p.m.
Southold High School
Oaklawn Avenue
Southold
- Wednesday, January 20 - 7:30 p.m.
Westhampton High School
Lilac Road
Westhampton Beach

For classes in other localities not listed here call free - Operator 800-243-6000.

Arrivals & Departures

Arrivals	
Lucy Musetti.....	Staff Services
Shelby L. Williams	P.E.P.
Departures	
William E. Dietrich	Biology
Hugie L. Foote, Jr.	Physics
Woodrow L. Travis	Physics

Here and There

Claire Lamberti

Dr. Barry Gordon (DAS) attended the Symposium on Minor Metals of the Geochemical Environment, Health and Diseases held in Chicago, Illinois on December 29.

Dr. Leonard Hamilton (Medical) gave a Bio-Chemistry Department Seminar on "Treatment of Viruses with Synthetic RNA" at Mt. Sinai School of Medicine, New York, on December 14.

Jack Chernick (DAS) consulted for the Regulatory Division of the AEC at San Jose, California during December 16-19 on safety features of the Dresden III Boiling Water Reactor. Dresden III is the third and largest of a series of reactors built by General Electric for the Commonwealth Edison Company at Chicago.

Powell Richards and Elliot Lebowitz (both DAS) will attend a meeting on Medical Applications of Cyclotrons sponsored by the US AEC Division of Biology and Medicine, to be held in Boston, Mass. on January 7-8, 1971.

Stephen Feldberg (DAS) will attend the Gordon Research Conference on Electrochemistry, to be held in Santa Barbara, California, on January 17-22, 1971.

Leonard Newman (DAS) will attend the Conference on Stack Sampling and Analysis to be held in Pacific Grove, California on February 21-26, 1971.

Letters
To The Editor

Dear Sir:

I first read the well-meaning letters regarding the establishment of BNL as a recycling center with amusement. I now view this attitude with indignation. If people want recycling centers, they should be set up within communities, not here. Or, perhaps we should also hook plastic bags up to our toilet outlets and bring them into BNL for recycling?

What do you want, a research lab or a garbage dump?

Morris Beller

Dear Sir:

I have been employed by the Lab for 15 years and feel that even with the threat of further budgetary cuts my job is rather secure. What I am worried about is that budget cuts may force the Lab to lay off people who not only enjoy their work here but would find it very difficult to find employment elsewhere at this time. I personally hope that the Lab will consider not giving raises this year in an effort to keep as many people employed as possible and to keep the Lab's research effort going at its present level.

Old Timer

Dear Sir:

It is a wonderful feeling when you are down with illness to know that you have a wonderful group of people rooting for you to get well. It makes a guy want to live and know that life is worth living. So to everyone at the Lab, those I know and those whom I don't know, thanks a lot, and with a late season's greeting, God's blessing to all of you and your families is my humble and daily prayer with love, regards and peace on earth to all.

Naming a few of my personal ones, Dr. Robert Love; my visiting angel Madame Olga; Uncle Dick Vogt; Mr. Ed. Hunter, who was like a father to me when working there and who helped me so much; Daddy Paul the gas station owner; and many others.

Fred Robinson, Sr.
Known to many as Robbie

P.S. The Lab will always feel as home to me, and I am glad to be out of the hospital. Again I say thank you.

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Brookhaven National Laboratory*

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NORBERT J. DERNBACH
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Tune In!

#245 - About one year ago you publicized your craft apprentice program and the last I saw and heard about it for that year was a story in the Brookhaven Bulletin with a picture of 3 or 4 Blacks and 2 Whites as those chosen.

Last month, notice was again put out that applications were being accepted for 10 or 11 more apprentices. Out of curiosity I had asked several co-workers for their opinion of this program, hinting that I might be interested in applying. All the Whites I asked said that I had to be Black to apply, and all the Blacks I asked said that they weren't very interested in it.

On December 16 I attended an informal meeting about the Craft Apprentice Program which about 30 people showed up for. I was shocked when the six apprentices from 1969 were asked to stand, quite a different picture: there was no Black representation. Somehow it looked like six different faces than those in last year's Brookhaven Bulletin. Could this be another BNL front?

Answer: Your confusion apparently stems from the fact that there are two apprentice programs in operation at the Laboratory at the present time. The first, a Technician Apprentice Program, was announced on August 7, 1969, and inaugurated on September 8, 1969. Six employees, three of whom are Black, are participating in this two-year program for training electronic technicians.

The second, a Craft Apprentice Program, was first announced on August 18, 1969, and was started on October 6, 1969. Currently, six White employees are enrolled in this four-year program for training in two trades, electrical and refrigeration and air conditioning. Appointment of a new class of apprentices will be made by the Apprentice Selection Committee late in January following receipt of the results of the New York State Employment Service testing procedure.

Peter Paige
Assistant Personnel Manager

Expectant Mothers Classes

A new series of classes for expectant mothers will be conducted by the Suffolk County Department of Health starting Monday, January 18, from 2-4 p.m. at the Suffolk County Health Department, County Center, Riverhead.

The six-week course will be conducted by Sister Andrew Mary, a Public Health Nurse, and will give the expectant mother information about her pregnancy and what may be anticipated during her confinement. It will include discussion on human reproduction, preparation for labor and delivery, nutrition, care of the infant, breast feeding, formula preparation, and demonstrations of bathing the baby. A tour of the maternity division of a hospital will be made during the course.

Breathing and relaxation techniques will be taught to those who wish to participate, are beyond the first trimester, and have the physician's written consent.

All pregnant women are welcome, particularly those expecting their first baby. Further information may be obtained from the Riverhead office of the Health Department, telephone 727-4700, Ext. 373.

Campers Choose Theme Of Country & Western

The Family Campers are on the move again. They love to host BERA dances, so BERA is not about to hold them down. This time they decided to have a change of pace by not having a conventional dress-up party. The most comfortable casual attire will be the uniform of the night at the Country & Western shindig on Friday evening, February 5 at the Gym. Chinos, dungarees, overalls, sport shirts, sweaters and peasant skirts or dresses will all be appropriate dress. Music will be by Hank Poeling and his

"Country Boys." All kinds of dancing will be featured during the evening so if you're not much of a square dance enthusiast come anyway; the committee promises music to suit any fancy. BERA will provide pretzels, chips and ice free of charge. Beer and mixers will be available at a nominal cost. Tickets will be sold at the door at \$2.50 each for employees and escorts and \$3.00 each for visitors. Better get your babysitter lined up now. February 5 will be here before you know it.

Brookhaven Center

- Western Style Menu
Tuesday and Thursday
5 to 8 p.m.
\$3 Per Person
Shrimp Cocktail
8 oz. Charcoal Broiled Steak
Tossed Green Salad
Choice of Dressing
B ue Cheese
French or
Russian
Baked Potato or French Fries
Beverage or Cold Glass of Tap Beer
Rolls and Butter
Eastern Style Menu
Wednesday - 5 to 8 p.m.
\$3 Per Person
Fruit Cup
One Hot Dish Varying Each Week:
Cream Chicken
Beef Burgundy
Swedish Meatballs
Lamb Curry
Baked Ham or Roast Beef
Cold Platter
Assorted Cold Cuts
Assorted Cheeses
Salads Varying Each Week
Cole Slaw
Tossed Green
Potato Sa ad
Choice of Dessert
Pie
Layer Cake
Ice Cream
Beverage

The dining room at the Brookhaven Center serves a regular a la carte menu on Sunday and Monday evenings. The Center is closed except for bar and sandwich service on Friday and Saturday evenings.

Volleyball News

Odelli Ozer

Following a two week interval for the holidays, volleyball activities were resumed with the Mixed League games of January 4. Helen Connell's Boomerangs were able to tie the Jets for first place again by winning all three of their games. The Spikers' bad luck seemed to follow them into the new year. In spite of considerable improvements in their players' individual performances they still lost all their games and are in danger of losing third place to the Misfits. In the Men's League the Spikers continued on their winning ways by defeating the third place Bio-Meds 3-0. Chemistry started the new year on the right track, too. Led by Connie Koehler, they defeated the Charlie Browns 3-0, and are only one game behind the Bio-Meds. The standings on January 7 are as follows:

Mixed League			
	Won	Lost	
Jets	11	4	
Boomerangs	11	4	
Spikers	4	11	
Misfits	4	11	
Men's League			
	Won	Lost	
Spikers	12	0	
Atom Spikers	9	3	
Bio-Meds	5	7	
Chemistry	4	8	
Charlie Browns	0	12	

Duck Family Growing



Ed Hunter, Grounds Maintenance, recently carved a male wood duck which was pictured in the Brookhaven Bulletin. So that the male would not be lonely, Hunter has now carved a female wood duck to complete the pair. At last reports, Hunter was hatching a plan to complete the series of models by adding a clutch of newly-hatched chicks.

Home Office Sign



In their home territory of Marlboro, Vermont, the musicians at Rudolf Serkins's musical workshop have erected this sign to alert music lovers of their presence. On Tuesday, January 19, Music From Marlboro will come to Brookhaven for the third concert of the present season. Marlboro is now in its fifth season, and has three different touring groups with an extensive repertoire of chamber music. At Brookhaven the group will present a program of instrumental and vocal music in a widely varied manner. The Artists who will appear at Brookhaven are: Mary Burgess, mezzo-soprano; David Golub, piano; Miriam Fried and Felix Galimir, violin; John Graham, viola; and James Kreger, cello.

Bowling News

by Pat Towey

Red League
It was a good battle as the Old Timers just nipped the Alphas and finished the first half in first place. Nice bowling fellows! Dick Adams had an extremely good night as he bowled a 202, 221 and 197 for a new high scratch series of 620, and reached 686 to qualify for the 678 gross club. And the rest of the over 200 club members are: W. Reams 203, D. Stelmaschuk 201, G. Fales 201.
Green League
This week ended our first half, with the Designers fighting off the Sandbaggers to win the first half title. High scores for the night were: R. Penna 207, R. Larsen 213, R. Lingg 202, E. Sundberg 202, R. Meier 217. J. Scesny's 197, 234, and 254 (685) is a new high league series.
Pink League
First half ended with Hopefuls in first place. High games for the night: Marge Stoeckel 186/519 scratch series, Anne Kirkpatrick 157, Pat Oster 156, Pat Fox 155.
Black and Blue
As the AR's had first place, everyone relaxed and enjoyed themselves. Dick Murgatroyd was high with a 186/524 series and Bob Eberbach with a 224/516 series. Marge Stoeckel was high with a 163/391. I wonder does "high and blind" have anything to do with the "soft" drinks?

Portrait Workshop

The BNL Camera Club will conduct a portrait studio workshop from January 21 to 24. At the next meeting, 8 p.m. Thursday, January 21, the principles of portrait lighting will be discussed by Ray Abbott. The equipment will be set up in a temporary studio in the recreation building in the apartment area (Building 317). After the meeting and until the morning of January 25, the studio and lights will be available to members on a reserved appointment basis. Now is the time to take a portrait of your wife, sweetheart, baby or mistress.

Cafeteria Menu

Week Ending January 21, 1971

Friday, January 15	
Manhattan Clam Chowder	
Deep Fried Filet of Sole w/Tartar Sauce & French Fries	.90
Sliced London Broil w/Mushroom Sauce & 1 Veg.	.85
Broiled Halibut w/Lemon Butter & 1 Veg.	.90
Monday, January 18	
Puree of Split Pea Soup	
Round Roast of Beef w/1 Veg.	.80
Baked Chicken & Rice w/Mushrooms & 1 Veg.	.75
Braised Meatballs on Noodles	.70
Tuesday, January 19	
Vegetable Soup	
Swiss Steak w/Smothered Onions & 1 Veg.	.85
Veal Pattie Parmigiana & 1 Veg.	.85
Rolled Stuffed Cabbage & 1 Veg.	.80
Wednesday, January 20	
Onion Soup w/Cheese Croutons	
Beef Hash w/Chili Sauce & 1 Veg.	.80
Ham Steak Hawaiian w/Pineapple Ring & 1 Veg.	.85
Baked Lasagna w/Tossed Green Salad	.90
Thursday, January 21	
Beef Barley Broth	
Pot Roast of Beef a la mode & 1 Veg.	.80
Chicken Pie w/Biscuit Crust	.80
Italian Spaghetti & Meatballs w/ Parmesan Cheese	.75

Public Sale Of Motor Vehicles

Two (2) motor vehicles, located at Building T-87, will be available for Public Sale. Inspection will be permitted from January 13th through January 19th, during the hours of 9 a.m. to 4 p.m., except Saturday and Sunday. Bid opening will be held on January 21st, at 2 p.m. Bids will be opened at General Services Administration, Business Service Center Bid Room, 26 Federal Plaza, New York, New York, 10007. Tel.: Area Code 212, 264-2637. This will be an informal competitive bidding. Bid forms may be obtained at buildings 87 and 211. For further details, please call Extensions 2509 or 2704.

